

FORM PTO-1449 (Modified) (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: ZSHUNKE ET AL 2 PCT	SERIAL NO.: 10/522,861			
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Wilmut ZSHUNKE ET AL				
				FILING DATE: JAN. 31, 2005	GROUP: 2631			
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS SUBCLASS FILING DATE IF APPROPRIATE			
/H.T./	AA	4680777	7/1987	SAHA (German Priority)	— —			
/H.T./	AB	6278732	8/2002	BEIDAS BASSEL F ET AL (Intl. Srch. Rep.)	— —			
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
	AC						YES	NO
	AD							
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
AE	'Datenübertragung" [Data Transmission], BOCKER, Peter, Volume I, Fundamentals, 2nd edition 1983, Berlin, Springer Verlag [publishing company], ISBN 3-540-12117-X, pgs. 110 to 124 and pages 144-150 ((German Priority, Preliminary Amendment) ENCLOSED							
AF	Gruenbacher D M et al: "A Simple Algorithm for Generating Discrete Prolate Spheroidal Sequences: IEEE Transactions on Signal Processing Vol. 42, No. 11, November 1994 Page 3276-3278, XP 002269014 New York, USA (Intl. Srch. Rep.) TO FOLLOW							
AG	Gruenbacher D M et al: "N Dimensional Orthogonal QPSK Signaling with Discrete Prolate Spheroidal Sequences" Radio and Wireless Conference, 1998, Colorado Springs, Co, USA 9-12 August 1998, Pages 63-68, XP 010296329 New York, USA (Intl. Srch. Rep.) ENCLOSED							
AH	Huber, J, Manual : "Trelliscodierung" [Trellis Coding], Springer Verlag, 1992 under the series Nachrichtentechnik [Communications Technology], 21, ISBN 3-540-55792-X, pgs 12, 13 (Preliminary Amendment & German Priority) ENCLOSED							
AI	SAHA, Debarata, BIRDSALL, Theodore G.: Quadrature-Quadrature Phase-Shift Keying, IN: IEEE Transactions and Communications, Vol. 37, No. 5, May 1989, S.437 - 448. (Specification & German Priority) ENCLOSED							
AJ	IEEE Transactions on Communications COM-29, No. 7 (July 1981), pages 982-989 (Specification)(NOT PRESENTLY AVAILABLE.)							
EXAMINER	/Helene Tayong/		DATE CONSIDERED	10/09/2007				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: ZSHUNKE ET AL 2 PCT	SERIAL NO.: 10/522,861
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Wilmut ZSHUNKE ET AL	
		FILING DATE: JAN. 31, 2005	GROUP: 2631

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	SARI, Hikmet: A generalization of multidimensional modulation IN: IEEE Communications, 1995. ICC 95 Seattle, Gateway to Globalization, 1995 IEEE International Conference on, Volume: 2, 18-22 June 1995 Page(s): 683 - 687 vol 2. (German Priority) ENCLOSED
AB	VIGIL, A. J. u.a.: Finite Truncated Cosine Series Design of Full Response Signaling Offset Binary Modulation Systems, IN: IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, 5. 1465- 1470. (German Priority) ENCLOSED
AC	Waldeck B H et Al: "Performance Evaluation of TFO-Q ² PSK in Gaussian, Multipath and Fading Channels" 1999 Ieee Africon 5 th , Africon Conference in Africa, Cape Town, South Africa, 28 September 1999- October 1999, Pages 233-238 XP 000895832 New York, USA (Intl. Srch. Rep.) ENCLOSED
AD	"Nachrichtentechnik" [Communications Technology] by E. Herter/W. Lörcher, 5th edition, which appeared in the Hanser Verlag [publishing company] in 1990, pages 110 ff. (Specification) ENCLOSED
AE	IEEE Transactions on Communications COM-15, No. 6 (Dec. 1967) pgs 805-811 SALTZBERG, Burton, R. (Specification) ENCLOSED
AF	IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, pages 1465 (Preliminary Amendment) TO FOLLOW
AG	IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, S. 403 - 409. VISINTIN, Monica u. a.: Four-Dimensional Signaling for Bandlimited Channels, / IN (German Priority) ENCL.
AH	INTERNATIONAL SEARCH REPORT - ENCLOSED
AI	INTERNATIONAL PRELIMINARY EXAMINATION REPORT - ENCLOSED
AJ	
AK	
AL	
AM	

EXAMINER <i>/Helene Tayong/</i>	DATE CONSIDERED <i>10/09/2007</i>
------------------------------------	--------------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ZSHUNKE ET AL 2 PCT	SERIAL NO.: 10/522,861
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Wilmut ZSHUNKE ET AL	
		FILING DATE: JAN. 31, 2005	GROUP: 2631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/H.T./	AA	4680777	7/1987	SAHA (German Priority)			
/H.T./	AB	6278732	8/2002	BEIDAS BASSEL F ET AL (Intl. Srch. Rep.)			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AC							
	AD							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	"DatenÜbertragung" [Data Transmission], BOCKER, Peter, Volume I, Fundamentals, 2nd edition 1983, Berlin, Springer Verlag [publishing company], ISBN 3-540-12117-X, pgs. 110 to 124 and pages 144-150 ((German Priority, Preliminary Amendment) ENCLOSED)
AF	Gruenbacher D M et al: "A Simple Algorithm for Generating Discrete Prolate Spheroidal Sequences: IEEE Transactions on Signal Processing Vol. 42, No. 11, November 1994 Page 3276-3278, XP 002269014 New York, USA (Intl. Srch. Rep.) TO FOLLOW ENCLOSED (1-17-06)
AG	Gruenbacher D M et al: "N Dimensional Orthogonal QPSK Signaling with Discrete Prolate Spheroidal Sequences" Radio and Wireless Conference, 1998, Colorado Springs, Co, USA 9-12 August 1998, Pages 63-68, XP 010296329 New York, USA (Intl. Srch. Rep.) ENCLOSED
AH	Huber, J, Manual : "Trelliscodierung" [Trellis Coding], Springer Verlag, 1992 under the series Nachrichtentechnik [Communications Technology], 21, ISBN 3-540-55792-X, pgs 12, 13 (Preliminary Amendment & German Priority) ENCLOSED
AI	SAHA, Debarata, BIRDSALL, Theodore G. Quadrature-Quadrature Phase-Shift Keying, IN: IEEE Transactions and Communications, Vol. 37, No. 5, May 1989, S.437 - 448. (Specification & German Priority) ENCLOSED
AJ	IEEE Transactions on Communications COM-29, No. 7 (July 1981), pages 982-989 (Specification)(NOT PRESENTLY AVAILABLE.)

EXAMINER	/Helene Tayong/	DATE CONSIDERED
		10/09/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: ZSHUNKE ET AL 2 PCT	SERIAL NO.: 10/522,861
O I P E LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Wilmut ZSHUNKE ET AL		
		FILING DATE: JAN 20 2005	GROUP: 2631	
COPY				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)				
AA	SARI, Hikmet: A generalization of multidimensional modulation IN: IEEE Communications, 1995. ICC 95 Seattle, Gateway to Globalization, 1995 IEEE International Conference on, Volume: 2, 18-22 June 1995 Page(s): 683 - 687 vol 2. (German Priority) ENCLOSED			
AB	VIGIL, A. J. u. a.: Finite Truncated Cosine Series Design of Full Response Signaling Offset Binary Modulation Systems, IN: IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, 5. 1465- 1470. (German Priority) ENCLOSED			
AC	Waldeck B H et Al: "Performance Evaluation of TFO-Q ² PSK in Gaussian, Multipath and Fading Channels" 1999 Ieee Africon 5 th , Africon Conference in Africa, Cape Town, South Africa, 28 September 1999- October 1999, Pages 233-238 XP 000895832 New York, USA (Intl. Srch. Rep.) ENCLOSED			
AD	"Nachrichtentechnik" [Communications Technology] by E. Herler/W. Lörcher, 5th edition, which appeared in the Hanser Verlag [publishing company] in 1990, pages 110 ff. (Specification) ENCLOSED			
AE	IEEE Transactions on Communications COM-15, No. 6 (Dec. 1967) pgs 805-811 SALTZBERG, Burton, R. (Specification) ENCLOSED			
AF	IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, pages 1465 (Preliminary Amendment) TO FOLLOW Enclosed (1-17-06)			
AG	IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, S. 403 - 409. VISINTIN, Monica u. a.: Four-Dimensional Signaling for Bandlimited Channels, / IN (German Priority) ENCL.			
AH	INTERNATIONAL SEARCH REPORT - ENCLOSED			
AI	INTERNATIONAL PRELIMINARY EXAMINATION REPORT - ENCLOSED			
AJ				
AK				
AL				
AM				
EXAMINER	/Helene Tayong/	DATE CONSIDERED 10/09/2007		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				